

TEST PIT NO.:

PAGE: 1 OF 2

DATE: 2/19/08

	<u> </u>
PROJECT INFORMATION	TEST PIT LOCATION
PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION	
PROJECT NO.: 181750	
CLIENT: S. M. STOLLER	
OWNER: DOE	
LOCATION: _ ROCKY FLATS	
	SEE FIGURE 2
FIELD INFORMATION	
DATE & TIME ARRIVED:2/19/08 - 2:10PM	
TEST PIT LOGGED BY: JOE REED	
VISITORS: NONE	
WEATHER:SUNNY, 50°	
EXCAVATION INFORMATION	
EXCAVATION COMPANY: TP ENTERPRISES	
START TIME: 2:30PM	
TEST PIT DEPTH: 12'	TEST DIT DIA · 20' X 2'-5' X 12'
	TEST FIT DIA 20 X 2 0 X 2
TIME EXCAVATION COMPLETE: 3:30PM	
TEST PIT COMPLETION / ABANDONMENT INFORMATION	ı
START TIME: 3:30PM	COMPLETE TIME: 4:00PM
INSTRUMENTATION: NONE	
GROUNDWATER CONDITIONS	
NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVA	TION.
FOLLOWING FIELD WORK	
TIME OF CLEAN-UP COMPLETE:	TIME LEFT SITE:
NOTES: _15' EAST OF ORIGINAL STAKE.	
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-	_
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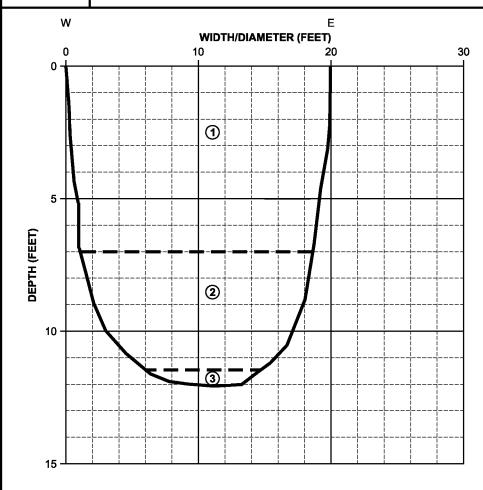


TEST PIT NO.:

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION PAGE: 2 OF 2

PROJECT NO.: 181750 DATE: 2/19/08

TtP-1



DEPTH	SAMPLE I.D.	SAMPLE TYPE
4'	4'	BULK
7' - 8'	7' - 8'	BULK
11.5'	12'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
①	0 - 7'	SANDY CLAY/CLAYEY SAND SLIGHTLY MOIST TO MOIST, YELLOWISH BROWN (10YR 5/6), FINE TO COARSE SAND GRAVEL COBBLES BOULDERS, MEDIUM STIFF TO LOOSE.
2	7' - 11.5'	CLAY SLIGHTLY MOIST, LIGHT GRAY (10YR 7/2) AND YELLOW (10YR 7/6), VERY STIFF, TRACE ROOTS (NATIVE?).
3	11.5' - 12'	WEATHERED CLAYSTONE SLIGHTLY MOIST, LIGHT YELLOWISH BROWN (10YR 6/4), SOME YELLOW (10YR 7/6), MEDIUM STIFF TO LOOSE.

NOTES: NORTH SIDE CAVES IN.

TEST PIT NO.:

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DATE: <u>2/20/08</u>

PROJECT INFORMATION	TEST PIT LOCATION
PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION	
PROJECT NO.: <u>181750</u>	
CLIENT: S. M. STOLLER	
OWNER: DOE	
LOCATION: ROCKY FLATS	SEE FIGURE 2
	SEE FIGURE 2
FIELD INFORMATION	
DATE & TIME ARRIVED: <u>2/20/08 - 7:40AM</u>	
TEST PIT LOGGED BY: <u>JOE REED</u>	
VISITORS: NONE	
WEATHER: PARTLY CLOUDY, 30°	
EXCAVATION INFORMATION	
EXCAVATION COMPANY: _TP ENTERPRISES	
START TIME: 8:00AM	
TEST PIT DEPTH:	TEST PIT DIA.: <u>20' X 2' X 12'</u>
EXCAVATION METHOD: _TRACK HOE	
SAMPLING METHOD: _BULK	
TIME EXCAVATION COMPLETE: 8:45AM	
TEST PIT COMPLETION / ABANDONMENT INFORMATION	N
START TIME: 8:45AM	COMPLETE TIME: 9:45AM
INSTRUMENTATION: NONE	
GROUNDWATER CONDITIONS	
NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVA	ATION
	ATION.
FOLLOWING FIELD WORK	
TIME OF CLEAN-UP COMPLETE: 9:45AM	TIME LEFT SITE: 9:45AM
NOTES:	

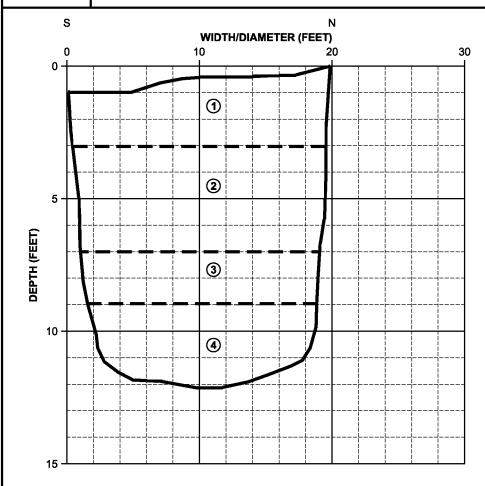


TEST PIT NO.:

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION PAGE: 2 OF 2

PROJECT NO.: <u>181750</u> DATE: <u>2/20/08</u>

TtP-2



DEPTH	SAMPLE I.D.	SAMPLE TYPE
4'	4'	BULK
7'	7'	BULK
11'	11'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
①	0 - 3'	SANDY CLAY/CLAYEY SAND FILL SLIGHTLY MOIST TO MOIST, MEDIUM STIFF/LOOSE, FINE TO COARSE SAND, GRAVEL, COBBLES, TRACE BOULDERS.
2	3' - 7'	SANDY CLAY/CLAYEY SAND SLIGHTLY MOIST TO MOIST, VERY DARK GRAYISH BROWN (10YR 3/1) AND BROWN (5YR 4/3), MEDIUM STIFF TO STIFF, TRACE SAND AND GRAVEL, ROOTS (NATIVE TOP SOIL).
3	7' - 9'	SANDY CLAY/CLAYEY SAND SLIGHTLY MOIST TO MOIST, YELLOWISH BROWN (10YR 5/4), STIFF TO VERY STIFF, FINE TO SAND, COARSE GRAVEL COBBLES, TRACE BOULDERS.
4	9' - 12'	WEATHERED CLAYSTONE SLIGHTLY MOIST, LIGHT GRAY (10YR 7/1) AND YELLOWISH BROWN (10YR 5/4), STIFF TO HARD, TRACE FINE SAND.

NOTES: LOCATION 10 FT. NORTH OF ORIGINAL STAKE.

TEST PIT NO.:

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DATE: 2/19/08

PROJECT INFORMATION	TEST PIT LOCATION
PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION	
PROJECT NO.: 181750	
CLIENT: S. M. STOLLER	
OWNER: DOE	
LOCATION: ROCKY FLATS	
	SEE FIGURE 2
	-
FIELD INFORMATION	
DATE & TIME ARRIVED:	
TEST PIT LOGGED BY: JOE REED	
VISITORS: _ NONE	
WEATHER: SUNNY, 40°	
EVOAVATION INFORMATION	•
EXCAVATION INFORMATION	
EXCAVATION COMPANY: TP ENTERPRISES	
START TIME: _12:00PM	
TEST PIT DEPTH:	
EXCAVATION METHOD: <u>TRACK HOE</u>	
SAMPLING METHOD: <u>BULK</u>	
TIME EXCAVATION COMPLETE: 1:05PM	
TEST PIT COMPLETION / ABANDONMENT INFORMATIO	N
START TIME:1:05PM	COMPLETE TIME: 2:00PM
INSTRUMENTATION: NONE	
GROUNDWATER CONDITIONS	
NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAV	ATION.
FOLLOWING FIELD WORK	
	2:00PM
TIME OF CLEAN-UP COMPLETE: 2:00PM	_ TIME LEFT SITE:2:00PM
NOTES:	

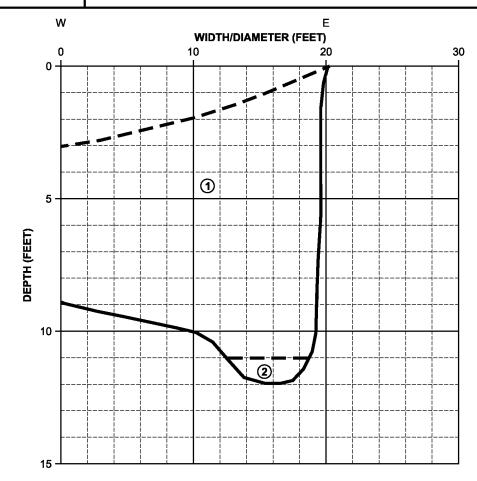


TEST PIT NO.:

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION PAGE: 2 OF 2

PROJECT NO.: <u>181750</u> DATE: <u>2/19/08</u>

TtP-3



DEPTH	SAMPLE I.D.	SAMPLE TYPE
8'	8'	BULK
11.5'	12'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
•	0 - 11'	SILTY CLAY SLIGHTLY MOIST TO MOIST, LIGHT BROWNISH GRAY (10YR 6/2) AND YELLOWISH BROWN (10YR 5/4), STIFF TO VERY STIFF, TRACE FINE TO COARSE SAND, NO GRAVEL COBBLES OR BOULDERS.
2	11' - 12'	WEATHERED CLAYSTONE SLIGHTLY MOIST TO DRY, GRAYISH BROWN (10YR 5/2), HARD.

NOTES: CAVING NORTH SIDE OF PIT.



TEST PIT NO.:

PAGE: 1 OF 2

	DATE: <u>2/19/08</u>	
PROJECT INFORMATION	TEST PIT LOCATION	
PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION		
PROJECT NO.:181750		
CLIENT: S. M. STOLLER		
OWNER: _ DOE		
LOCATION: ROCKY FLATS		
	SEE FIGURE 2	
	1	
FIELD INFORMATION		
DATE & TIME ARRIVED:2/19/08 - 8:20AM		
TEST PIT LOGGED BY:JOE REED		
VISITORS: NONE		
WEATHER: _ SUNNY, 40°		
EXCAVATION INFORMATION		
EXCAVATION COMPANY: _TP ENTERPRISES		
START TIME: 8:35AM		
TEST PIT DEPTH: 12'	TEST DIT DIA . 20' Y 2' - 4' Y 12'	
EXCAVATION METHOD: TRACK HOE		
SAMPLING METHOD: BULK		
TIME EXCAVATION COMPLETE: 9:55AM		
TIME EXCAVATION COMPLETE. O.S.S. W.		_
TEST PIT COMPLETION / ABANDONMENT INFORMATION	I	
START TIME: 9:55AM	COMPLETE TIME: 11:00AM	
INSTRUMENTATION: NONE	BACKFILL: CUTTINGS	
GROUNDWATER CONDITIONS		
GROUNDWATER WAS ENCOUNTERED AT 6' AND 11'.		
FOLLOWING FIELD WORK		
TIME OF CLEAN-UP COMPLETE:	TIME LEFT SITE:	
NOTES: _ LOCATION 20 FT. NW FROM ORIGINAL LOCATION		

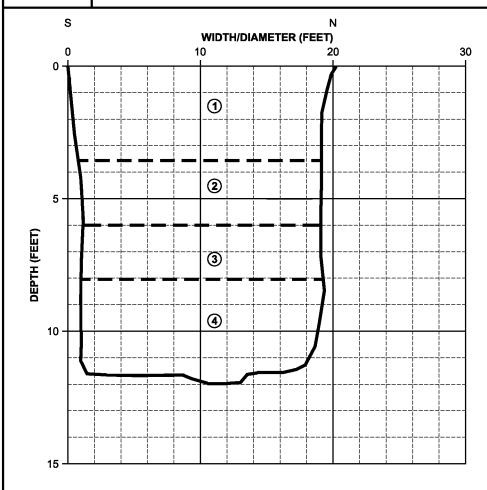


TEST PIT NO.:

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION PAGE: 2 OF 2

PROJECT NO.: <u>181750</u> DATE: <u>2/19/08</u>

TtP-4



DEPTH	SAMPLE I.D.	SAMPLE TYPE
4'	4'	BULK
6'	6'	BULK
10' - 11'	10' - 11'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
①	0 - 3.5'	SILTY SANDY CLAY FILL MOIST TO SLIGHTLY MOIST, YELLOWISH BROWN (10YR 5/6) WITH MINOR LIGHT BROWNISH GRAY (10YR 6/2), MEDIUM STIFF TO STIFF, FINE TO COARSE SAND AND GRAVEL, SOME COBBLES AND BOULDERS, ROOTS, TRACE SAND LENS.
2	3.5' - 6'	CLAY SLIGHTLY MOIST TO MOIST, GRAYISH BROWN (10YR 5/2), STIFF TO VERY STIFF, TRACE FINE TO COARSE SAND.
3	6' - 8'	SANDY SILTY CLAY SLIGHTLY MOIST TO WET, DARK GRAY (10YR 4/1), MEDIUM STIFF TO VERY STIFF, FINE TO COARSE SAND, ROOTS (LOOKS LIKE TOPSOIL).
4	8' - 12'	SILTY CLAY MOIST TO WET, GRAY (10YR 6/1) AND YELLOWISH BROWN (10YR 5/6), STIFF TO VERY STIFF, TRACE FINE TO COARSE SAND, (WEATHERED BEDROCK?).

NOTES: WATER INFLOW AT 6' (TRICKLE) AND AT 11' - MINOR FLOW. SMALL METAL PIPE AT 8', PIT CAVING ON EAST SIDE.

TEST PIT NO.:

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DATE: <u>2/13/08</u>

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION PROJECT NO:181750 CLIENT: _S. M. STOLLER OWNER: _DOE LOCATION: _ROCKY FLATS	PROJECT NO:181750 CLIENT: _S. M. STOLLER OWNER: _DOE LOCATION: _ROCKY FLATS	PROJECT INFORMATION	TEST PIT LOCATION
PROJECT NO.:181750 CLIENT: _S.M. STOLLER OWNER: _DOE LOCATION: _ROCKY FLATS	PROJECT NO:181750 CLIENT: _S. M. STOLLER OWNER: _DOE LOCATION: _ROCKY FLATS	PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION	
CLIENT: S. M. STOLLER OWNER: DOE LOCATION: ROCKY FLATS	CLIENT: S. M. STOLLER OWNER: DOE LOCATION: ROCKY FLATS		
SEE FIGURE 2 FIELD INFORMATION DATE & TIME ARRIVED: _2/13/08 - 12:20PM TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM START TIME: _12:40PM TEST PIT DEPTH: _12' EXCAVATION METHOD: _BULK TIME EXCAVATION COMPLETE: _1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: _1:55PM	FIELD INFORMATION DATE & TIME ARRIVED: _2/13/08 - 12:20PM TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP_ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'		
SEE FIGURE 2 FIELD INFORMATION DATE & TIME ARRIVED: _2/13/08 - 12:20PM TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM START TIME: _12:40PM TEST PIT DEPTH: _12' EXCAVATION METHOD: _BULK TIME EXCAVATION COMPLETE: _1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: _1:55PM	FIELD INFORMATION DATE & TIME ARRIVED: _2/13/08 - 12:20PM TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP_ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'	OWNER: DOE	
FIELD INFORMATION DATE & TIME ARRIVED: _2/13/08 - 12:20PM TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'	FIELD INFORMATION DATE & TIME ARRIVED: _2/13/08 - 12:20PM TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM TEST PIT DIA.: _20' X 12' X 2.5' EXCAVATION METHOD: _TRACK HOE SAMPLING METHOD: _BULK TIME EXCAVATION COMPLETE: _1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: _1:55PM		
DATE & TIME ARRIVED: _2/13/08 - 12:20PM TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'	DATE & TIME ARRIVED: 2/13/08 - 12:20PM TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'		SEE FIGURE 2
DATE & TIME ARRIVED: _2/13/08 - 12:20PM TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'	DATE & TIME ARRIVED: 2/13/08 - 12:20PM TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'		
TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12' TEST PIT DIA.: _20' X 12' X 2.5' EXCAVATION METHOD: _TRACK HOE SAMPLING METHOD: _BULK TIME EXCAVATION COMPLETE: _1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: _1:55PM	TEST PIT LOGGED BY: _JOE REED VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP_ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'	FIELD INFORMATION	
VISITORS: _NONE WEATHER: _50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP_ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'	VISITORS: _NONE WEATHER: 50°, SUNNY, WINDY EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: 12'40PM TEST PIT DEPTH: 12' TEST PIT DIA:: _20'X 12'X 2.5' EXCAVATION METHOD: _TRACK HOE SAMPLING METHOD: _BULK TIME EXCAVATION COMPLETE: _1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: _1:55PM COMPLETE TIME: _3:00PM INSTRUMENTATION: _NONE BACKFILL: _CUTTINGS GROUNDWATER CONDITIONS _NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: _3:00PM TIME LEFT SITE: _3:00PM	DATE & TIME ARRIVED: <u>2/13/08 - 12:20PM</u>	
EXCAVATION INFORMATION EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'	EXCAVATION INFORMATION EXCAVATION COMPANY: TP ENTERPRISES START TIME: 12:40PM TEST PIT DEPTH: 12' EXCAVATION METHOD: TRACK HOE SAMPLING METHOD: BULK TIME EXCAVATION COMPLETE: 1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: 1:55PM COMPLETE TIME: 3:00PM INSTRUMENTATION: NONE BACKFILL: CUTTINGS GROUNDWATER CONDITIONS NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	TEST PIT LOGGED BY: JOE REED	
EXCAVATION INFORMATION EXCAVATION COMPANY: TP ENTERPRISES START TIME: 12:40PM TEST PIT DEPTH: 12: TEST PIT DIA:: 20'X12'X2.5' EXCAVATION METHOD: TRACK HOE SAMPLING METHOD: BULK TIME EXCAVATION COMPLETE: 1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: 1:55PM COMPLETE TIME: 3:00PM INSTRUMENTATION: NONE BACKFILL: CUTTINGS GROUNDWATER CONDITIONS NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	EXCAVATION INFORMATION EXCAVATION COMPANY: TP ENTERPRISES START TIME: 12:40PM TEST PIT DEPTH: 12' TEST PIT DIA.: _20'X 12'X 2.5' EXCAVATION METHOD: TRACK HOE SAMPLING METHOD: BULK TIME EXCAVATION COMPLETE: 1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: 1:55PM COMPLETE TIME: _3:00PM INSTRUMENTATION: _NONE BACKFILL: _CUTTINGS GROUNDWATER CONDITIONS _NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: _3:00PM TIME LEFT SITE: _3:00PM	VISITORS: NONE	
EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12' TEST PIT DIA.: _20'X 12'X 2.5' EXCAVATION METHOD: _TRACK HOE SAMPLING METHOD: _BULK TIME EXCAVATION COMPLETE: _1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: _1:55PM COMPLETE TIME: _3:00PM INSTRUMENTATION: _NONE BACKFILL: _CUTTINGS GROUNDWATER CONDITIONS NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: _3:00PM TIME LEFT SITE: _3:00PM	EXCAVATION COMPANY: TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'	WEATHER: 50°, SUNNY, WINDY	
EXCAVATION COMPANY: _TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12' TEST PIT DIA.: _20'X 12'X 2.5' EXCAVATION METHOD: _TRACK HOE SAMPLING METHOD: _BULK TIME EXCAVATION COMPLETE: _1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: _1:55PM COMPLETE TIME: _3:00PM INSTRUMENTATION: _NONE BACKFILL: _CUTTINGS GROUNDWATER CONDITIONS NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: _3:00PM TIME LEFT SITE: _3:00PM	EXCAVATION COMPANY: TP ENTERPRISES START TIME: _12:40PM TEST PIT DEPTH: _12'		
START TIME: 12:40PM TEST PIT DEPTH: 12' TEST PIT DIA.: 20'X 12'X 2.5' EXCAVATION METHOD: TRACK HOE SAMPLING METHOD: BULK TIME EXCAVATION COMPLETE: 1:55PM TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: 1:55PM COMPLETE TIME: 3:00PM INSTRUMENTATION: NONE BACKFILL: CUTTINGS GROUNDWATER CONDITIONS NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	START TIME:12:40PM TEST PIT DEPTH:12'		
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TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: _1:55PM	TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: 1:55PM	EXCAVATION METHOD: TRACK HOE	
TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: _1:55PM	TEST PIT COMPLETION / ABANDONMENT INFORMATION START TIME: _1:55PM	SAMPLING METHOD: <u>BULK</u>	
START TIME: 1:55PM COMPLETE TIME: 3:00PM INSTRUMENTATION: NONE BACKFILL: CUTTINGS GROUNDWATER CONDITIONS NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	START TIME: _1:55PM COMPLETE TIME: _3:00PM	TIME EXCAVATION COMPLETE: 1:55PM	
INSTRUMENTATION: NONE BACKFILL: CUTTINGS GROUNDWATER CONDITIONS NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	INSTRUMENTATION: NONE BACKFILL: CUTTINGS GROUNDWATER CONDITIONS NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	TEST PIT COMPLETION / ABANDONMENT INFORMATION	
GROUNDWATER CONDITIONS NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	GROUNDWATER CONDITIONS NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	START TIME: _ 1:55PM	COMPLETE TIME: 3:00PM
NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	INSTRUMENTATION: NONE	BACKFILL: CUTTINGS
NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVATION. FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM		
FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	FOLLOWING FIELD WORK TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	GROUNDWATER CONDITIONS	
TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	TIME OF CLEAN-UP COMPLETE: 3:00PM TIME LEFT SITE: 3:00PM	NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVA	TION.
		FOLLOWING FIELD WORK	
NOTES:	NOTES:	TIME OF CLEAN-UP COMPLETE: 3:00PM	TIME LEFT SITE: 3:00PM
NOTES:	NOTES:		
		NOTES:	

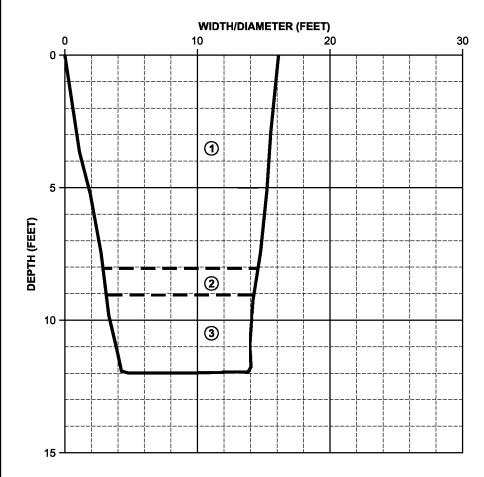


TEST PIT NO.:

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION PAGE: 2 OF 2

PROJECT NO.: 181750 DATE: 2/13/08

TtP-5



DEPTH	SAMPLE I.D.	SAMPLE TYPE
0 - 2'	0 - 2'	BULK
8' - 9'	8' - 9'	BULK
9' - 10'	9' - 10'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
1	0 - 8'	SANDY CLAY/CLAYEY SAND MOIST TO WET, LIGHT YELLOWISH BROWN (10YR 6/4), STIFF TO VERY STIFF, FINE TO COARSE SAND, COBBLES, ROOTS, COBBLES AND BOULDERS INCREASE WITH DEPTH, MOISTURE DECREASES BY 5', CLAYEY SAND, MOIST
2	8' - 9'	SILTY SANDY CLAY (TOPSOIL?) MOIST, VERY DARK GRAYISH BROWN (10YR 3/2) AND GRAY (10YR 5/1), MEDIUM STIFF TO STIFF, FINE COARSE SAND, FREQUENT ROOTS.
3	9' - 12'	CLAY MOIST, LIGHT GRAY (10YR 7/1) AND BROWN (10YR 4/3), MOTTLED WITH LIGHT GRAY, STIFF TO VERY STIFF, TRACE SAND AND GRAVEL, TRACE ROOTS, COBBLES AND BOULDERS.

NOTES: WATER PONDED IN DITCH, MATERIAL LOOSE, SIDE CAVING.

TEST PIT NO.:

PAGE: 1 OF 2

DATE: 2/20/08

PROJECT INFORMATION	TEST PIT LOCATION
PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION	
PROJECT NO.: <u>181750</u>	
CLIENT: S. M. STOLLER	
OWNER: DOE	
LOCATION: ROCKY FLATS	
<u></u>	SEE FIGURE 2
FIELD INFORMATION	
DATE & TIME ARRIVED: 2/20/08 - 9:55AM	
TEST PIT LOGGED BY: JOE REED	
VISITORS: NONE	
WEATHER: MOSTLY CLOUDY, 40°	
WEATHER	
EXCAVATION INFORMATION	
EXCAVATION COMPANY: TP ENTERPRISES	
START TIME: _ 10:05AM	
TEST PIT DEPTH:	TEST PIT DIA.:20' X 2' X 14'
EXCAVATION METHOD: TRACK HOE	
SAMPLING METHOD: BULK	
TIME EXCAVATION COMPLETE: 11:10AM	
TEST PIT COMPLETION / ABANDONMENT INFORMATION	
START TIME: 11:10AM	COMPLETE TIME: 12:00PM
INSTRUMENTATION: NONE	BACKFILL: CUTTINGS
GROUNDWATER CONDITIONS	
NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVA	TION.
FOLLOWING FIELD WORK	
TIME OF CLEAN-UP COMPLETE: 12:00PM	TIME LEFT SITE: 12:00PM
NOTES.	
NOTES:	

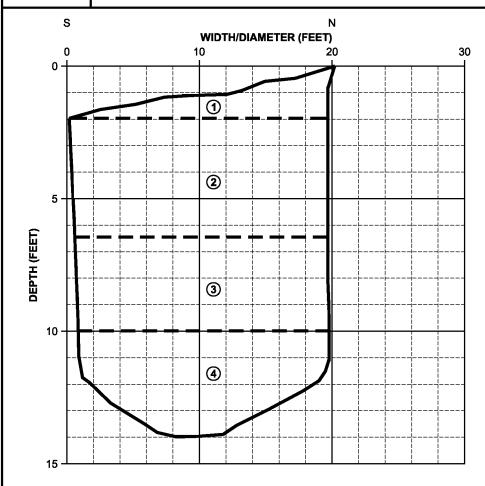


TEST PIT NO.:

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION PAGE: 2 OF 2

PROJECT NO.: <u>181750</u> DATE: <u>2/20/08</u>

TtP-6



DEPTH	SAMPLE I.D.	SAMPLE TYPE
3'	3'	BULK
9'	9'	BULK
10' - 10.5'	10' - 10.5'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
•	0 - 2'	SANDY CLAY/CLAYEY SAND FILL MOIST, YELLOWISH RED (5YR 5/6), STIFF, FINE TO COARSE SAND, GRAVEL, COBBLES, TRACE BOULDERS.
2	2' - 6.5'	SANDY CLAY SLIGHTLY MOIST TO MOIST, DARK GRAYISH BROWN (10YR 4/2), STIFF TO VERY STIFF, TRACE FINE TO COARSE SAND GRAVEL, TRACE COBBLES, TRACE ASPHALT.
3	6.5' - 10'	SANDY CLAY SLIGHTLY MOIST TO MOIST, BROWNISH YELLOW (10YR 6/6), MEDIUM STIFF TO STIFF, TRACE FINE TO COARSE SAND, TRACE GRAVEL (NATIVE)?.
4	10' - 14'	CLAY MOIST, LIGHT BROWNISH GRAY (10YR 6/2) WITH SOME BROWNISH YELLOW (10YR 6/6), MEDIUM STIFF TO STIFF, TRACE FINE TO COARSE SAND (NATIVE)?.

NOTES: SOIL DEPTHS WERE MEASURED AT MIDPOINT OF TRENCH.

TEST PIT NO.:

PAGE: 1 OF 2

	DATE: <u>2/13/08</u>	1tP-7
PROJECT INFORMATION	TEST PIT LOCATION	
PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION		
PROJECT NO.:		
CLIENT: S. M. STOLLER		
OWNER: DOE		
LOCATION: ROCKY FLATS		
	SEE FIGURE 2	
	1	
FIELD INFORMATION		
DATE & TIME ARRIVED: <u>2/13/08 - 8:00AM</u>		
TEST PIT LOGGED BY:		
VISITORS: NONE		
WEATHER: SUNNY, 30°		
EXCAVATION INFORMATION		
EXCAVATION COMPANY: _TP ENTERPRISES		
START TIME: 8:30AM		
TEST PIT DEPTH: _11'	TEST PIT DIA.: _19'X2'X11'	
SAMPLING METHOD: BULK		
TIME EXCAVATION COMPLETE: 9:40AM		
TEST PIT COMPLETION / ABANDONMENT INFORMATION	N .	
START TIME: 11:10AM	COMPLETE TIME: 11:30AM	
INSTRUMENTATION: <u>NONE</u>	BACKFILL: CUTTINGS	
GROUNDWATER CONDITIONS		
WATER INFLOW AT 8' - 9'.		
FOLLOWING FIELD WORK		
TIME OF CLEAN-UP COMPLETE:	TIME LEFT SITE:	
NOTES:		

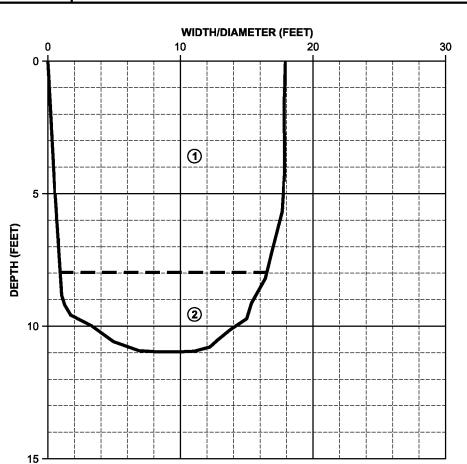


TEST PIT NO.:

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION PAGE: 2 OF 2

PROJECT NO.: <u>181750</u> DATE: <u>2/13/08</u>

TtP-7



DEPTH	SAMPLE I.D.	SAMPLE TYPE
8' - 9'	8' - 9'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
1	0 - 8'	SANDY CLAY FILL MOIST, DARK GRAYISH BROWN (10YR 4/2) AND YELLOWISH BROWN (10YR 5/6), STIFF TO VERY STIFF, FINE TO COARSE SAND, SOME FINE TO COARSE GRAVEL, TRACE COBBLES, ROOTS.
2	8' - 11'	CLAYEY SAND WET, BROWNISH YELLOW (10YR 6/6), SOFT TO MEDIUM STIFF, COHESIVE, FINE COARSE GRAINED SAND, FINE TO COARSE GRAVEL, TRACE COBBLES, WATER INFLOW 8' - 9'.

NOTES: PIT CAVING. WATER INFLOW AT 8' - 9'.

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TEST PIT NO.:

PAGE: 1 OF 2

DATE: 2/12/08

PROJECT INFORMATION	TEST PIT LOCATION	
PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION		
PROJECT NO.:181750		
CLIENT: S. M. STOLLER		
OWNER: DOE		
LOCATION: ROCKY FLATS		
	SEE FIGURE 2	
FIELD INFORMATION		
DATE & TIME ARRIVED: 2/12/08 - 9:45AM		
TEST PIT LOGGED BY: JOE REED		
VISITORS: <u>NONE</u> WEATHER: ~30° F, CLOUDY		
WEATHER:		
EXCAVATION INFORMATION		
EXCAVATION COMPANY: _TP ENTERPRISES		
START TIME: 10:55AM		
TEST PIT DEPTH: TEST PIT DIA.: TEST PIT DIA.:		
EXCAVATION METHOD: TRACK HOE		
SAMPLING METHOD: <u>BULK</u>		
TIME EXCAVATION COMPLETE: 12:35PM		
TEST PIT COMPLETION / ABANDONMENT INFORMATION	ı	
START TIME: 1:15PM	COMPLETE TIME: 2:00PM	
INSTRUMENTATION: NONE	BACKFILL: CUTTINGS	
GROUNDWATER CONDITIONS		
NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVA	TION.	
FOLLOWING FIELD WORK		
TIME OF CLEAN-UP COMPLETE: 2:00PM	TIME LEFT SITE:2:00PM	
NOTES:		

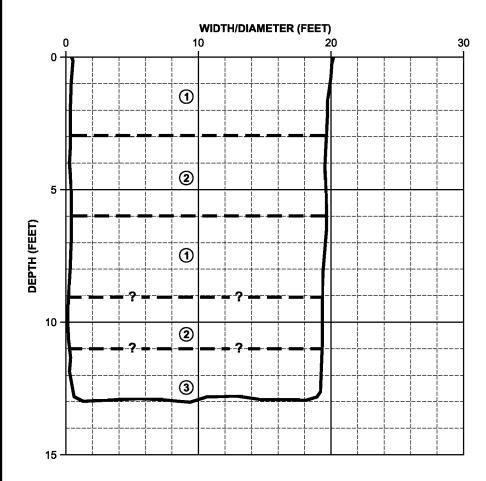


TEST PIT NO.:

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION PAGE: 2 OF 2

PROJECT NO.: 181750 DATE: 2/12/08

TtP-8



DEPTH	SAMPLE I.D.	SAMPLE TYPE
0 - 2'	0 - 2'	BULK
4' - 6'	4' - 6'	BULK
11' - 13'	11' - 13'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
•	0 - 3' 6' - 9'	FILL CLAYEY SAND/SANDY CLAY (YELLOWISH BROWN) AND SANDY CLAY (BROWN), MOIST TO SLIGHTLY MOIST, BROWN (10YR 5/6) AND YELLOWISH BROWN (10YR 5/6), CLAYEY SAND/SANDY CLAY, MORE SAND, GRAVEL, AND COBBLES THAN SANDY CLAY, STIFF, SANDY CLAY, VERY STIFF, TRACE OF SAND, GRAVEL AND COBBLES.
2	3' - 6' 9' - 11'	FILL SANDY CLAY, SLIGHTLY MOIST TO MOIST, LIGHT BROWNISH GRAY (10YR 6/2) AND BROWN (10YR 5/6), VERY STIFF, TRACE SAND.
3	11' - 13'	HIGHLY WEATHERED BEDROCK CLAYSTONE, SLIGHTLY MOIST, YELLOWISH BROWN (10YR 5/6) AND LIGHT GREENISH GRAY (GLEY1 7/1), TRACE FINE SAND, TRACE OF HARD GRAVEL SIZED CLAYSTONE FRAGMENTS, TRACE ROOTS.

NOTES: CONTACTS BETWEEN MATERIALS 1 & 2 ARE GRADATIONAL AND APPROXIMATE.

CONTACT BETWEEN MATERIAL 2 & 3 APPEARS VARIABLE ALONG TRENCH LENGTH.



TEST PIT NO.:

PAGE: 1 OF 2

DATE: 2/12/08

PROJECT INFORMATION	TEST PIT LOCATION	
PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION		
PROJECT NO.:		
CLIENT: S. M. STOLLER		
OWNER: DOE		
LOCATION: ROCKY FLATS		
	SEE FIGURE 2	
FIELD INFORMATION		
DATE & TIME ARRIVED:2/12/08 - 2:30PM		
TEST PIT LOGGED BY: JOE REED		
VISITORS: NONE		
WEATHER: CLOUDY, 30°		
EXCAVATION INFORMATION	<u> </u>	
EXCAVATION COMPANY: TP ENTERPRISES		
START TIME: 2:30PM		
TEST PIT DEPTH:		
EXCAVATION METHOD: TRACK HOE		
SAMPLING METHOD: <u>BULK</u>		
TIME EXCAVATION COMPLETE: 3:20PM		
TEST PIT COMPLETION / ABANDONMENT INFORMATION	İ	
START TIME: 3:20PM	COMPLETE TIME: 3:40PM	
INSTRUMENTATION: NONE	BACKFILL: CUTTINGS	
GROUNDWATER CONDITIONS		
NO GROUNDWATER WAS ENCOUNTERED AT THE TIME OF EXCAVA	TION.	
FOLLOWING FIELD WORK		
TIME OF CLEAN-UP COMPLETE: 3:40PM	TIME LEFT SITE: 3:40PM	
NOTES: _LOCATION MOVED TO TOP OF BUTTRESS TO AVOID SEEP AREA (APPROX. 100' NORTH).		

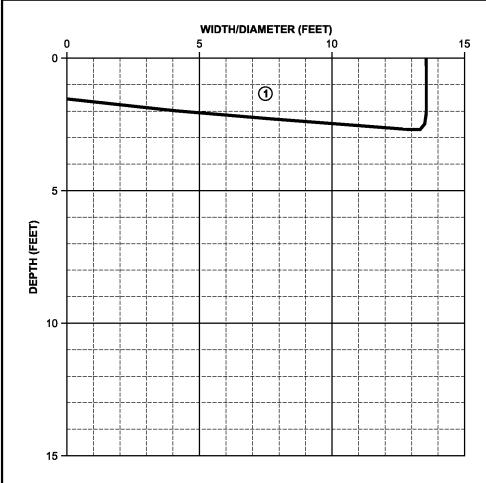


TEST PIT NO.:

PROJECT: ROCKY FLATS ORIGINAL LANDFILL GEOTECHNICAL INVESTIGATION PAGE: 2 OF 2

PROJECT NO.: 181750 DATE: 2/12/08

TtP-9



DEPTH	SAMPLE I.D.	SAMPLE TYPE
0 - 2'	0 - 2'	BULK

SOIL TYPE	SOIL DEPTH	SOIL DESCRIPTION AND EXCAVATION NOTES
•	0 - 2'	CLAYEY SAND/SANDY CLAY FILL WITH GRAVEL AND COBBLES MOIST, YELLOWISH BROWN (10YR 5/4), STIFF, FINE TO COARSE SAND, FINE TO COARSE GRAVEL, SOME COBBLES, TRACE ROOTS.

NOTES: FILL OVER FABRIC AND GRAVEL DRAIN.